

## Certificate of Analysis

## GPC-d9

L-α-glycerophosphoryl(choline-d9)

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Storage -20°C

**Expiration Date** One year from date of receipt

M Lot Number 5000XDA015

Avanti Lot Number 100403X-100UG-A-015

| ANALYSIS             | SPECIFICATION   | RESULTS                   |
|----------------------|---|---------------------------|
| Physical examination | <b>Water:Ethanol</b> : Clear solution with no foreign matter. | Pass                      |
| Proton NMR           | NMR spectrum consistent with structure                        | consistent with structure |
| Phosphorus NMR       | NLT 95%wt/wt<br>NLT 99% wt% PL                                | 96.85% wt/wt%             |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 267.5 ± 1 amu                            | [M+H]+ = 267.3 amu        |

Melissa Liles
Approved By: